IN THE CLAIMS:

1. (Currently Amended) A ~~tyre~~self-sealing device for a tire on a vehicle wheel, said device comprising: ~~equipped with a tyre~~tire

a wheel having a rim;

a wheel hub supporting said wheel;

a wheel supply circuit;

an inflating and deflating valve ~~that ensures a supply of~~ for supplying compressed air ~~by means of a pressurised~~ from a pressurized circuit, ~~wherein the~~ wherein said valve ~~(12)~~ is positioned between ~~the~~ said wheel ~~(2)~~ and the wheel hub ~~(5)~~ and ~~wherein it~~ comprises sealing means ~~(19)~~ integrated into ~~the~~ said wheel supply circuit, said sealing means ~~(19) being activated in the~~ activatable to an open position in the presence of ~~the~~said valve and ~~in the~~ to a closed position in the absence of ~~the~~said valve.

2. (Currently Amended) ~~A~~ The self-sealing device according to Claim 1, wherein ~~the~~said wheel supply circuit comprises a bore, and said sealing means ~~(19) are constituted by~~ comprise:

a spring;

a first seat having a cone-shaped profile;

a finger ~~(30)~~ extended by a truncated cone-shaped part ~~(31)~~

~~able to move under the action of a~~and movable responsive to action of the spring ~~(32)~~ inside ~~a~~ said bore ~~(18) made in the wheel supply circuit~~, said truncated cone-shaped part ~~(31) able to be applied~~ movable against ~~a~~ said first seat ~~(33) having a cone-shaped profile under the action of a~~responsive to action of the spring to close ~~the~~said wheel supply circuit.

3. (Currently Amended) ~~The~~A self-sealing device according to Claim 2, further comprising a revolving joint and communication means, wherein ~~the~~said valve ~~(12) is constituted of~~ comprises a valve bonnet ~~(13)~~ and a second seat, said valve defining ~~(14) and wherein it forms a case~~ a chamber delimited by ~~the~~said hub ~~(5)~~ and the bonnet, ~~both fitted with~~ said hub and said bonnet being attached to the communication means for supplying ~~to enable the provision of~~ compressed air to ~~the~~said wheel ~~(1) from a~~ through said revolving joint, ~~(9), the~~ said second seat ~~(14)~~ being ~~placed~~ located on ~~the~~said wheel and ~~the~~said valve bonnet ~~(13)~~ on ~~the~~said wheel hub ~~supporting the wheel~~.

4. (Currently Amended) ~~The~~A self-sealing device according to Claim 3, wherein the ~~valve's~~ axis of symmetry of said valve is the same as the ~~wheel's~~ axis of spin. of said wheel.

5. (Currently Amended) ~~The~~A self-sealing device according to Claim 4, wherein ~~the~~said sealing means ~~(19)~~ are arranged so as to act axially with respect to ~~the~~said wheel.

6. (Currently Amended) ~~The~~A self-sealing device according to Claim 5, wherein ~~the~~said valve ~~(12)~~ is screwed into ~~the~~said wheel hub ~~(5)~~.

7. (Currently Amended) ~~The~~A self-sealing device according to Claim 6, wherein ~~the~~said second seat ~~(14) is provided with~~ comprises an indexing organ ~~(15)~~ indexable with respect to ~~the~~said hub.

8. (Currently Amended) ~~The~~A self-sealing device according to Claim 7, wherein ~~the~~said indexing ~~(15)~~ organ is a screw.

9. (Currently Amended) ~~The~~A self-sealing device according to Claim 4, wherein ~~the~~said sealing means ~~(19)~~ are placed ~~so as~~ to act radially with respect to ~~the~~said wheel ~~(2)~~.

10. (Currently Amended) ~~The~~A self-sealing device according to Claim 9, wherein: ~~the~~

said second valve seat ~~(14)~~ is extended by a substantially

truncated cone-shaped part ~~(43) intended to cooperate with the~~having a surface cooperating with said sealing means, said cone-shaped part~~extension being fitted with~~ comprising said communication means ~~(44, 45)~~ located between said valve ~~(12)~~ and said wheel, ~~(1)~~ and ~~wherein the~~

said wheel rim ~~(2) of the wheel (1) is~~defines a closed seal with respect to an area external to the wheel~~to the exterior~~.

11. (Currently Amended) The~~A~~ self-sealing device according to Claim 10, wherein ~~the~~said valve bonnet ~~(13)~~ is held in ~~the~~said hub ~~(5)~~ by friction.

12. (Currently Amended) The~~A~~ self-sealing device according to Claim 9, further comprising a substantially cylindrical part capped by a plug having a ramp for cooperating with said sealing means, wherein ~~the~~said second seat ~~(14)~~ is extended by ~~a substantially~~said cylindrical part ~~capped by a plug (55) having a ramp (57) intended to cooperate with the sealing means (19)~~, said plug being screwed onto said part, and ~~wherein the~~said wheel ~~(1) is~~ being open to ~~the exterior~~ an area external to the wheel.

13. (Currently Amended) TheA self-sealing device according to Claim 10, further comprising a chamber delimited by said wheel rim and said second seat, wherein ~~it~~ said device comprises ~~incorporates~~ sealing means positioned ~~so as~~ to ensure a gradual ~~depressurisation of the~~depressurization of said chamber ~~(54)~~ when ~~the~~said valve is dismounted.

14. (Currently Amended) TheA self-sealing device according to Claim 5, wherein ~~the~~said second seat ~~(14)~~ is fastened to ~~the~~said wheel rim ~~(2)~~..

15. (Currently Amended) TheA self-sealing device according to Claim 14, wherein ~~the~~said wheel rim is provided with a tubular insert ~~(60)~~ onto which ~~the~~said valve is fastened using pressure screws ~~(61)~~..

16. (Currently Amended) TheA self-sealing device according to Claim 1, ~~wherein it incorporates~~ further comprising locating means ~~positioned such that they~~for positioning said wheel to ensure sealing until ~~the~~said sealing means are completely closed.